

U. S. DEPARTMENT OF AGRICULTURE

BUREAU OF PLANT INDUSTRY

FIELD NOTES

FORAGE CROP INVESTIGATIONS

FIELD NOTES.

INSTRUCTIONS.

In case of a series of row or plat tests it is desirable to have all the constant conditions recorded for future reference. This can be done on the blank pages in the front of the book for all points not covered by the topic headings. In case several sets of experiments are recorded in a single book the conditions governing each may be given by filling in the outlines provided. (See pp. 7-11.) The blank pages may be used for any additional data which seem desirable, such as the high, low, and mean temperatures, rainfall, and date of the last killing frost in the spring and of the first killing frost in the fall. At the back of the book are blank pages for convenience in making field calculations and temporary notations. Row numbers should be listed in the order that they occur in the field. Records should be made in rate per cent wherever possible and in such manner that the better the variety or strain the higher the percentage recorded. Rules given under "Explanation of headings and abbreviations used in taking field notes in forage-crop investigations" should be followed, in order that the notes on any given crop may be uniform for all the stations.

EXPLANATION OF HEADINGS AND ABBREVIATIONS USED IN TAKING FIELD NOTES IN FORAGE-CROP INVESTIGATIONS.

SIZE OF PLAT.—Stated in fractions of an acre, as $\frac{1}{8}$, $\frac{1}{10}$, etc., or, if nursery rows, length of the row in feet.

RATE OF SEEDING.—Pounds per acre.

STAND.—Given in percentages or number of plants in the row.

DATE.—Given in figures, as 9-15 (September 15).

UNIFORMITY.—Given in percentages.

VIGOR.—Strength or abundance of growth: *p*=poor; *f*=fair; *g*=good; *ex*=excellent.

CONDITION.—If the crop is biennial or perennial, give percentages showing what portion has survived the winter.

FOLIAGE COLOR.—Indicate the shade of green as follows: *g*=green; *l g*=light green; *d g*=dark green; *y g*=yellowish green; *g g*=grayish green; *p g*=purplish green. The superlative degree of any of these colors may be indicated by placing *v* before the color abbreviations, as follows: *v l g*=very light green.

HABIT OF GROWTH.—Described by the following terms: *e*=erect; *s e*=suberect; *d*=decumbent (prostrate, tip ascending); *p*=procumbent (trailing); *v*=vining; *b*=bushy.

STEMS PER PLANT.—Average number of stems produced from one seed, as 7-8.

MEASUREMENTS.—Given in inches unless otherwise indicated.

DISEASE RESISTANCE.—Give the percentage of noninfection; best determined by estimating the percentage of infection and subtracting this from 100.

DROUGHT RESISTANCE.—Indicate the comparative vigor of plants under conditions of drought, as follows: *p*=poor; *f*=fair; *g*=good; *ex*=excellent.

LODGING.—Described as *none*, *little*, *medium*, *much*.

SHATTERING.—Described as *none*, *little*, *medium*, *much*.

QUALITY.—Indicated as follows: *p*=poor; *f*=fair; *g*=good; *ex*=excellent.

ABBREVIATIONS.

GENERAL.—*v*=very; *med*=medium; *p*=poor; *g*=good; *ex*=excellent (indicates an unusually high degree, seldom occurring); *l*=little; *m*=much; *o*=none or nothing; *lg*=long; *s*=short; *sm*=small; *lrg*=large; *ab*=abundant; *few*=few; *cs*=coarse; *sl*=slender.

COLOR.—*v*=violet; *i*=indigo; *b*=blue; *g*=green; *y*=yellow; *o*=orange; *r*=red; *pur*=purple; *pk*=pink; *l*=light (used before a color); *d*=dark (used before a color).

SHAPE.—*ov*=oval; *rd*=round; *obl*=oblong; *lin*=linear; *obo*=obovate; *cor*=cordate; *cyl*=cylindrical; *elip*=elliptical.

Test of _____, 19

Object _____

Location _____

Kind of soil _____

Character of field _____

Previous crop _____

Preparation of seed bed _____

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

Seeding method _____

Test of _____, 19

Object _____

Location _____

Kind of soil _____

Character of field _____

Previous crop _____

Preparation of seed bed _____

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

Seeding method _____

----- *Test of* -----, 19-----

Object-----

Location-----

Kind of soil-----

Character of field-----

Previous crop-----

Preparation of seed bed-----

1. -----

2. -----

3. -----

4. -----

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6. -----

Seeding method-----

----- *Test of* -----, 19-----

Object-----

Location-----

Kind of soil-----

Character of field-----

Previous crop-----

Preparation of seed bed-----

1. -----

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Seeding method-----

----- *Test of* -----, 19-----

Object-----

Location-----

Kind of soil-----

Character of field-----

Previous crop-----

Preparation of seed bed-----

1. -----

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Seeding method-----

----- *Test of* -----, 19-----

Object-----

Location-----

Kind of soil-----

Character of field-----

Previous crop-----

Preparation of seed bed-----

1. -----

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6. -----

Seeding method-----

----- *Test of* -----, 19-----

Object-----

Location-----

Kind of soil-----

Character of field-----

Previous crop-----

Preparation of seed bed-----

1. -----

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Seeding method-----

----- *Test of* -----, 19-----

Object-----

Location-----

Kind of soil-----

Character of field-----

Previous crop-----

Preparation of seed bed-----

1. -----

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Seeding method-----

----- *Test of* -----, 19-----

Object-----

Location-----

Kind of soil-----

Character of field-----

Previous crop-----

Preparation of seed bed-----

1. -----

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Seeding method-----

----- *Test of* -----, 19-----

Object-----

Location-----

Kind of soil-----

Character of field-----

Previous crop-----

Preparation of seed bed-----

1. -----

2. -----

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Seeding method-----

Object

Location

Kind of soil

Character of field

Previous crop

Preparation of seed bed

1.

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7.

Seeding method

Test of

Object

Location

Kind of soil

Character of field

Previous crop

Preparation of seed bed

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2.

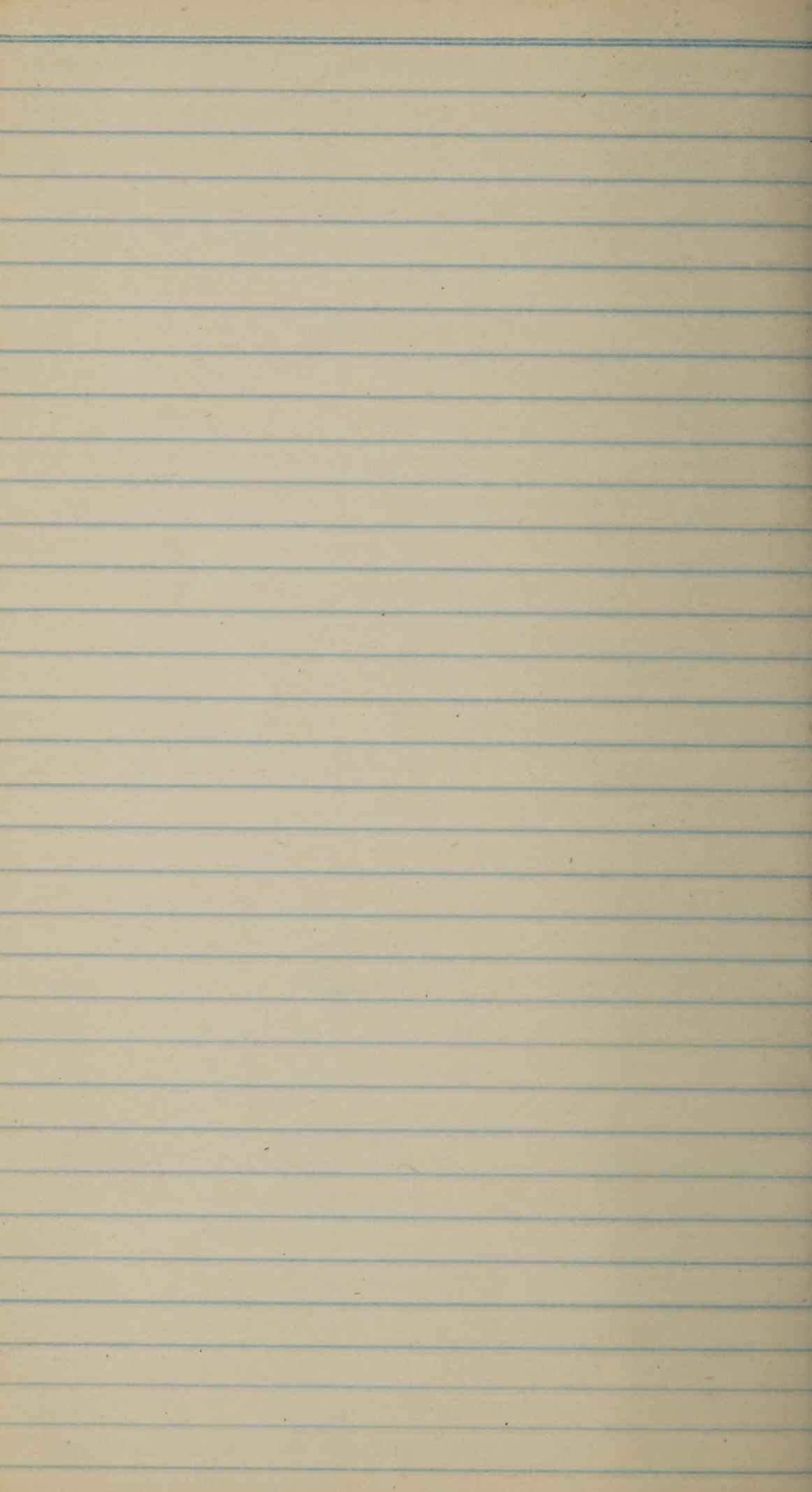
3.

4.

5.

6.

Seeding method



No.	Crop	Date	Plant seed
1401	Timothy	1907	Plant
1402	Timothy	1907	"
1403	Timothy	1907	"
1404	Redtop	1907	"
1405	Redtop	1907	"
1406	Redtop	1907	"
1407	Redtop	1907	"
1408	Canada bluegrass	1907	"
1409	Orchard Grass	1907	Seed
1410	Orchard grass	1907	Seed
1411	Orchard grass	1907	Seed
1412	Orchard grass	1907	Seed
1413	Orchard grass	1907	seed
1414	Orchard grass	1907	seed
1415	Bromus grass	1907	Plant
1416	Bromus inermis	1907	Plant
1417	Bromus inermis	1907	Plant
1418	Bromus inermis	1907	Plant
1419	Bromus inermis	1907	Plant
1420	Bromus inermis	1907	Plant

Source

Selection Arlington Farm, Va.

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No.	Crop	Date	Plant or Seed
1421	<i>Bromus inermis</i>	1907	Plant
1422	Timothy	1907	Plant
1423	Redtop	1907	Plant
1424	Redtop	1907	Plant
1425	Orchard grass	1907	Seed
1426	G. Bluegrass	1907	Plant
1427	Redtop	1907	"
1428	Orchard grass	1907	"
1429	Redtop	1907	"
1430	<i>Elymus submuticus</i>	1907	"
1431	Orchard grass	1907	"
1432	Redtop	1907	"
1433	Redtop	1907	"
1434	Orchard grass	1907	"
1435	Redtop	1907	"
1436	Redtop	1907	"
1437	Redtop	1907	"
1438	Redtop	1907	"
1440	Timothy	1907	"
1441	Timothy	1907	"

Source

- Field selection at Arlington Farm, Va.
- Field selection at Arlington Farm, Va.
- Field selection near Rosslyn, Va.
- Field selection near Rosslyn, Va.
- Field selection near Rosslyn, Va.
- " " at Arlington Farm, Va.
- " " " " " "
- " " near Rosslyn, Va.
- " " " " " "
- " " Arlington Farm, Va.
- " " Arlington Farm, Va.
- " " " " " "
- " " " " " "
- " " " " " "
- " " near Rosslyn, Va.
- " " Arlington Farm, Va.
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No.	Crop	Date	Plant or seed
1442	Timothy	1907	Plant
1443	Timothy	1907	Plant
1444	Timothy	1907	Plant
1445	Redtop	1907	Plant
1446	C. Bluegrass	1907	Plant
1447	Timothy	1907	Plant
1448	Timothy	1907	Plant
1449	Timothy	1907	Plant
1450	Timothy	1907	Plant
1451	Timothy	1907	Plant
1452	Timothy	1907	Plant
1453	Timothy	1907	Plant
1454	Timothy	1907	Plant
1455	Timothy	1907	Plant
1456	Timothy	1907	Plant
1457	Timothy	1907	Plant
1458	Timothy	1907	Plant
1459	Timothy	1907	Plant
1460	Timothy	1907	Plant

Source

Field selection at Arlington Farm, Va.

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" " " " "

" " Row C " " "

" " Row A " " "

" " Row A " " "

" " Row A " " "

Selection from Hopkins 45 A, " " "

" " Row A. " " "

" " Row A " " "

" " Hopkins 39-A. " " "

" at Arlington Farm, Va.

" from Row D, Arl. " "

" " Hopkins 37 A. Arl. farm. "

No.	Crop	Date	Plant or seed
1461	Timothy	1907	Plant
1462	Timothy	1907	Plant
1463	Timothy	1907	Plant
1464	Timothy	1907	Plant
1465	Timothy	1907	Plant
1466	Timothy	1907	Plant
1467	Timothy	1907	Plant
1468	Timothy	1907	Plant
1469	Timothy	1907	Plant
1470	Timothy	1907	Plant
1471	Timothy	1907	Plant
1472	Italian rye grass	1907	Seed
1473	Timothy	1907	Plant
1474	Timothy	1907	Plant
1475	Redtop	1907	Plant
1476	Timothy	1907	Plant
1477	Timothy	1907	Plant
1478	Orchard grass	1907	Plant
1479	Canada blue grass	1907	Plant
1480	Canada blue grass	1907	Plant

Source

Selection from Hopkins 37A., Arl. Farm, Va.

" " " 37A. " " "

" " " 37A. " " "

" " Arlington Farm, Va.

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" at " Cemetery "

" " " " "

" " grass " " "

" at Arlington Cemetery, Va.

" " " " "

No.	Crop	Date	Plant or seed
1481	Redtop	1907	Plant
1482	Canada Bluegrass	1907	Plant
1483	Canada Bluegrass	1907	Plant
1484	Redtop	1907	Plant
1485	Timothy	1907	Plant
1486	Timothy	1907	Plant
1487	Timothy	1907	Plant
1488	Timothy	1907	Plant
1489	Timothy	1907	Plant
1490	Timothy	1907	Plant
1491	Timothy	1907	Plant
1492	Elymus submuticus	1907	Plant
1493	Elymus submuticus	1907	Plant
1494	Cowpea	1919	Seed
1495	Cowpea	1919	Seed
1496	Cowpea	1919	Seed
1497	Cowpea	1919	Seed
1498	Cowpea	1919	Seed
1499	Cowpea	1919	Seed

Source

Selection at Arlington Cemetery

.. 2088 .. 2089 .. 2090 .. 2091 ..

... " " Farm, Va.

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" from plot " " " "

at " " "

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" " Hopkin's 80X " " " "

" " G.W.O. Cross #20980E x Cal. Blye

" " " " " #20880-Bx Iron select,

" " " " #257.

1. " " " #127

" " " " 20980C x Blue

Holstein elec. " " # 127

No.	Crop	Date	Plant or seed
1500	Cowpea	1919	Seed
1501	Timothy	1907	Plant
1502	Timothy	1907	Plant
1503	Timothy	1907	Plant
1504	Timothy	1907	Plant
1505	Timothy	1907	Plant
1506	Redtop	1907	Plant
1507	Timothy	1907	Plant
1508	Timothy	1907	Plant
1509	Timothy	1907	Plant
1510	Timothy	1907	Plant
1511	Timothy	1907	Plant
1512	Timothy	1907	Plant
1513	Phalaris arundinacea	1907	Plant
1514	Phalaris arundinacea	1907	Plant
1515	Phalaris arundinacea	1907	Plant
1516	Phalaris arundinacea	1907	Plant
1517	Phalaris arundinacea	1907	Plant

Source

New Era sele. from G.W.O's cross 2098C X Whiffenrill
Selection at Arlington Farm, Va.

" " " " "

" from Hopkins 37-a " " "

" " Ithaca 128-19 " " "

" " Hopkins 49 A " " "

" at Arlington Farm Va.

" " St. Johns Va.

" " Arlington, Va.

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" from 22 A, " Farm "

" " 23 A, " " "

" " 23 A, " " "

" " 25-B. " " "

" " 25 E " " "

No.	Crop	Date	Plant or seed
1518	Blal aris arundinacea	1907	Plant
1519	Timothy	1907	Plant
1520	Timothy	1907	Plant
1521	Timothy	1908	Plant
1522	Tall meadow oat	1908	Plant
1523	Tall meadow oat	1908	Plant
1524	Tall meadow oat	1908	Plant
1525	Tall meadow oat	1908	Plant
1526	Tall meadow oat	1908	Plant
1527	Tall meadow oat	1908	Plant
1528	Tall meadow oat	1908	Plant
1529	Tall meadow oat	1908	Plant
1530	Tall meadow oat	1908	Plant
1531	Tall meadow oat	1908	Plant
1532	Tall meadow oat	1908	Plant
1533	Orchard grass	1908	Plant
1534	Timothy	1908	Plant
1535	Orchard gr.	1908	Plant
1536	Timothy	1908	Plant

Source

Selection from 25 B, Arl. Farm, Va.

" at " " "

" " " " "

" " " " "

" from 0243 at " " "

" " 0243 " " "

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" " 0243 " " "

" " garden grass " " "

" " " " "

" " Arlington Farm

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No.	Crop	Date	Plant or seed
1537	Timothy	1908	Plant
1538	Timothy	1908	Plant
1539	Timothy	1908	Plant
1540	Timothy	1908	Plant
1541	Timothy	1908	Plant
1542	Timothy	1908	Plant
1543	Timothy	1908	Plant
1544	Timothy	1908	Plant
1545	Cowpea	1919	Seed
1546	Cowpea	1919	Seed
1547	Cowpea	1919	Seed
1548	Cowpea	1919	Seed
1549	Cowpea	1919	Seed
1550	Cowpea	1919	Seed
1551	Cowpea	1919	Seed
1552	Cowpea	1919	Seed
1553	Cowpea	1919	Seed
1554	Cowpea	1919	Seed
1555	Cowpea	1919	Seed
1556	Cowpea	1919	Seed

Source

Selection at Arlington Farm, Va.

"	"	"	"	"
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" from G.W.O.'s Cross, Whipoorwill x 20980 E A #92

" " " " 145.20980 B x Whipoorwill

" " " " Whipoorwill x 20980 E

" " " " hybrid 20980 B x Whipoorwill

" New Era eye fr. G.W.O.'s Cross 20980 B x New Era eye

" " G.W.O.'s cross 20980 C x Whipoorwill

" " " " " "

" " " " 20980 B x White

" " " " 97^a Whipoorwill x 20980 E

" " " " A selection with swollen stems

Whipoorwill (selection from G.W.O.)

" " from G.W.O.'s cross 97^a

No.	Crop	Date	Plant or seed
1557	Compea	1919	Seed
1558	Compea	1919	Seed
1559	Compea	1919	Seed
1560	Compea	1919	Seed
1561	Compea	1919	Seed
1562	Compea	1919	Seed
1563	Compea	1919	Seed
1564	Compea	1919	Seed
1565	Compea	1919	Seed
1566	Timothy	1908	Plant Plant-
1567	Timothy	1908	Plant
1568	Timothy	1908	Plant-
1569	Timothy	1908	Plant
1570	Timothy	1908	Plant
1571	Timothy	1908	Plant
1572	Timothy	1908	Plant
1573	Compea	1919	Seed
1574	Compea	1919	Seed
1575	Compea	1919	Seed
1576	Timothy	1908	Plant

Source

Whippoorwill selection from G.W.D's cross Whip 97a x White

" " " " " 127, F 2

" " " " "

2751 (Groat) x 12777 (Cal. Blackeye)

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Selection at Arlington Farm

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(Groat)^P 2751 x 12777 (Cal. Bl^(M) eye)

" " " "

" " " "

Selection from Arl. Farm. Va.

No.	Crop	Date	Plant or seed
1577	Timothy	1908	Plant
1578	Timothy	1908	Plant
1579	Timothy	1908	Plant
1580	Cowpea	1919	Seed
1581	Cowpea	1919	Seed
1582	Timothy	1908	Plant
1583	Timothy	1908	Plant
1584	Timothy	1908	Plant
1585	Cowpeas	1919	Seed
1586	Cowpea	1919	Seed
1587	Timothy	1908	Plant
1588	Cowpea	1919	Seed
1589	Timothy	1908	Plant
1590	Cowpea	1919	Seed
1591	Timothy	1908	Plant
1592	Cowpea	1919	Seed
1593	Cowpea	1919	Seed
1594	Timothy	1908	Plant
1595			
1596	Timothy	1908	Plant

Source

Selection from Arl. Farm

" " " "

" " " "

2751 (^(F)Groot) X 12777 (Cal. ^(M)Bl. eye)

2751 (^(F)Groot) X 12777 (Cal. ^(M)Bl. eye)

Selection from Arl. Farm

" " " "

" " " "

^(F)2751 (Groot) X 12777 (Cal. ^(M)Bl. eye)

" " " "

Selection from Arl. Farm

^(F)2751 (Groot) X 12777 (Cal. ^(M)Bl. eye)

Selection from Arl. Farm

^(F)2751 (^(M)Groot) X 12777 (Cal. Bl. eye)

Selection from Arl. Farm

2778 (Cal. ^(F)Bl. eye) X 2751 (^(M)Groot)

" " " "

Selection from Arl. Farm

Selection from Arl. Farm

No.	Crop	Date	Plant or seed
1597	Cowpea	1919	Seed
1598	Cowpea	1919	Seed
1599	Cowpea	1919	Seed
1600	Timothy	1908	Plant
2001	Cowpea	1919	Seed
2002	Cowpea	1919	Seed
2003	Cowpea	1919	Seed
2004	Med. falcata	1908	Seed
2005	Alfalfa	1908	Plant
2006	Alfalfa	1908	Seed
2007	Cowpea	1919	Seed
2008	Cowpea	1919	Seed
2009	Cowpea	1919	Seed
2010	Cowpea	1919	Seed
2011	Cowpea	1919	Seed
2012	Cowpea	1919	Seed
2013	Cowpea	1919	Seed
2014	Cowpea	1919	Seed
2027	Timothy	1908	Plant
2028	Timothy	1908	Plant

Source

2778 ^(F)(Cal. Blue) X 2751 ^(M)(Brit)

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" " " "

Selection from Arl. Farm

2778 ^(F)(Cal. Blue) X 2751 ^(M)(Brit)

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Insect fertilizer from S.P. 1, 20720.

From 19534

(open fertilizer) from 20571

2780 ^(F)(Cal. Blue) X 2750 ^(M)(Early Buff)

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Selection from Arl. Farm

" " " "

No.	Crop	Date	Plant or seed
2029	Timothy	1908	Plant
2030	"	1908	"
2031	"	1908	"
2032	"	1908	"
2033	"	1908	"
2034	"	1908	"
2035	"	1908	"
2036	"	1908	"
2037	"	1908	"
2038	"	1908	"
2039	"	1908	"
2040	"	1908	"
2041	"	1908	"
2042	"	1908	"
2043	"	1908	"
2044	"	1908	"
2045	"	1908	"
2046	"	1908	"
2047	"	1908	"
2048	"	1908	"

Source

Selection from Arlington Farm

[illegible]

No.	Crop	Date	Plant or Seed
2049	Timothy	1908	Plant
2050	"	1908	"
2051	"	1908	"
2052	"	1908	"
2053	"	1908	"
2054	"	1908	"
2055	"	1908	"
2056	"	1908	"
2057	"	1908	"
2058	"	1908	"
2059	"	1908	"
2060	"	1908	"
2061	"	1908	"
2062	"	1908	"
2063	"	1908	"
2064	"	1908	"
2065	"	1908	"
2066	"	1908	"
2067	"	1908	"
2068	"	1908	"

No.	Crop	Date	Plant or seed
2069	Timothy	1908	Plant
2070	"	"	"
2071	"	"	"
2072	Alfalfa	1908	Seed
2073	Timothy	1908	Plant
2074	"	"	"
2075	"	"	"
2076	"	"	"
2077	"	"	"
2078	"	"	"
2079	"	"	"
2080	"	"	"
2081	"	"	"
2082	Orchard grass	"	"
2083	"	"	"
2084	Compea	1919	Seed
2085	"	1919	"
2086	"	"	"
2087	"	"	"

Source

Selection from Arl. Farm

" " " "

" " " "

(open fertilizer) from X field of 195-34

Selection from Arl. Farm

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" " " "

^F 2750 (Early Buff) X ^M 2748 (Early
 Rams horn Bl. eye
^F 2750 (Early Buff) X ^M 2748 (Early Rams horn Bl. eye

" " " "

" " " "

No.	Crop	Date	Plant or seed
2088	Cowpea	1919	Seed
2089	"	"	"
2090	"	"	"
2091	Med. falcata	1908	"
2092	M. media	1908	Plant
2093	Cowpea	1919	Seed
2094	Cowpea	1919	"
2095	Cowpea	1919	"
2096	Cowpea	1919	"
2097	Cowpea	1919	"
2098	Cowpea	1919	"
2099	Cowpea	1919	"
2100	Alfalfa	1908	"
2101	Alfalfa	1908	"
2102	Alfalfa	1908	"
2103	Alfalfa	1908	"
2104	Alfalfa	1908	"
2105	Alfalfa	1908	"
2106	Alfalfa	1908	"
2107	Alfalfa	1908	"

Source

^F 2750 (Early Buff) x ^M 2748 (Early Ramshorn Bl. eye)

" " " " " "

" " " " " "

Insect-fert. seeds from 19534

Selection from 19534

^F 2750 (Early Buff) x ^M 2748 (Early Ramshorn Bl. eye)

" " " " " "

^F 2751 (Groot) x ^M 2748 (Early Ramshorn Bl. eye)

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2002 F.C.1 (F) x 20571 (M)

Inbred of F.C.1 #1

" "

Inbred seed yellow fld. pl. of 20571

Open fert. from F.C.1. ♀.

" " seed violet field plot in 20571

Inbred seed violet field plot in 20714

" " " " " " 20571

No.	Crop	Date	Plant or Seed
2108	Alfalfa	1908	Seed
2109	"	"	"
2110	"	"	"
2111	"	"	"
2112	"	"	"
2113	"	"	"
2114	"	"	"
2115	"	"	"
2116	"	"	"
2117	Cowpea	1919	"
2118	Alfalfa	1908	"
2119	"	"	"
2120	"	"	"
2121	Red Clover	"	"
2122	"	"	"
2123	"	"	"
2124	"	"	"
2125	"	"	"
2126	"	"	"
2127	"	"	"

Source

Inbred seed yellow field plot in 20571

" " violet " " " "

" " yellow " " " "

^(F)
20718 X F.C.I. 2002 (M)

F.C.I. 18 (F) X F.C.I. 2072 (M)

" " "

F.C.I. 2002 (F) X F.C.I. 11 (M)

F.C.I. 28 (F) X F.C.I. 11 (M)

Inbred seed of P.Y. field plot of 20571

^(F)
2751 (brist) X ^(M) 2748 (Early Ramshorn 12. eye)

Inbred seed of violet field plot of 20714

" " yellow " " " 20715

Insect fert. seed of yellow field plot of 20571

Open fert. seed

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No.	Crop	Date	Plant or Seed
2128	Red Clover	1908	Seed
2129	"	"	"
2130	"	"	"
2131	"	"	"
2132	"	"	"
2133	"	"	"
2134	"	"	"
2135	"	"	"
2136	"	"	"
2137	Alfalfa	"	"
2138	"	"	"
2139	"	"	"
2140	"	"	"
2141	"	"	"
2142	"	"	"
2143	"	"	"
2144	"	"	"
2145	"	"	"
2146	"	"	"
2147	"	"	"

Source

Open fertilized seed

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White clover x Red Clover.

Red clover x White clover

White " x Red "

Open fertilized seed

Inbred seed of violet field plot of 20714

Open fert. seed of F.C.I. 102

Open fert. seed of yellow field plant 20571

" " " " " " F.C.I. 101

Insect " " " " " " F.C.I. 101

" " " " F.C.I. 11.

" " " violet flowered plant of 20571

" " " of 2092 F.C.I.

" " " yellow flowered plant of 20571

20775 (F) x F.C.I. 2091 (M)

" " "

No.	Crop	Date	Plant or Seed
2148	Alfalfa	1908	Seed
2149	"	1908	"
2150	"	1908	"
2151	"	1908	Plant
2152	"	1908	"
2153	"	1908	"
2154	"	1908	"
2155	"	1908	Seed
2156	"	1908	"
2157	"	1908	"
2158	"	1908	"
2159	"	1908	"
2160	"	1908	"
2161	"	1908	"
2162	Compea	1919	Seed
2163	Alfalfa	1908	"
2164	^{G.H.} Compea	1918	"
2165	^{G.H.} Compea	1918	"
2166	"	1918	"
2167	"	1918	"

Source

20775(F) x F.C. 1. 2091 (M)

Open fert. seed from 20726

" " " " 98 ag

yellow flowered, from 20571-O.F. seed

Purple " " 20714-O.F. seed

White " " " " "

Lt. yellow " " F.C. 1. 101 O.F. seed

Open fert. seed from 20720

" " " " "

" " " " F.C. 1. 86

" " " " F.C. 1. 84

" " " " F.C. 1. 82

Marked 20775-1

Marked 20775-2

2757 (Groit) x 2748 (Early Ranshorn Bl. eye)

Inbred seed of yel. flowered from 20571

(F)

(M)

29024 (Conch) x 02458 Large Blackeye

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No.	Crop	Date	Plant or Seed
2168	G.H. Cowpea	1918	Seed
2169	G.H. "	1918	"
2170	"	1918	"
2171	"	1918	"
2172	"	1918	"
2173	"	1918	"
2174	"	1918	"
2175	G.H. "	1918	"
2176	G.H. "	1918	"
2177	G.H. "	1918	"
2178	"	1918	"
2179	"	1918	"
2180	G.H. "	1918	"
2181	G.H. "	1918	"
2182	G.H. "	1918	"
2183	G.H. "	1918	"
2184	"	1918	"
2185	"	1918	"
2186	G.H. "	1918	"
2187	G.H. "	1918	"

Source

(F) 29024 (Conch) x (M) 02458 Large black eye.

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(F) 02026 (Yardlong) x (M) Iron

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No.	Crop	Date	Plant or Seed
^{G.H.} 2188	Coupea	1918	Seed
^{G.H.} 2189	"	"	"
^{G.H.} 2190	"	"	"
2191	"	"	"
2192	"	"	"
2193	"	"	"
2194	"	"	"
2195	"	"	"
2196	"	"	"
^{G.H.} 2197	"	"	"
^{G.H.} 2198	"	"	"
^{G.H.} 2199	"	"	"
2200	"	"	"
2601	"	"	"
2602 ^{G.H.}	"	"	"
2603 ^{G.H.}	"	"	"
2604	"	"	"
2605	"	"	"
2606	"	"	"
^{G.H.} 2607	"	"	"

Source

02026^(F) (Yardlong) x Iron^(M)

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02026^F (Yardlong) x 02393^(M) (Brown Crowder)

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No.	Crop	Date	Plant or Seed
2608	C.H. Cowpea	1918	Seed
2609	"	"	"
2610	"	"	"
2611	"	"	"
2612	"	"	"
2613	"	"	"
2614	"	"	"
2615	"	"	"
2616	"	"	"
2617	C.H. "	"	"
2618	C.H. "	"	"
2619	C.H. "	"	"
2620	"	"	"
2621	C.H. "	"	"
2622	C.H. "	"	"
2623	C.H. "	"	"
2624	"	"	"
2625	"	"	"
2626	C.H. "	"	"
2627	C.H. "	"	"

Source

02026^(F) (Yardlong) x 02393^(M) (Brown Crowder)

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02026^(F) (Yardlong) x 02393^(M) Brown Crowder

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02405^(F) (Cal. Bleye) x 02026^(M) (Yardlong)

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" " " "

29024^(F) (Conch) x 22888^(M) (Catyang)

" " " "

" " " "

" " " "

22888 (Catyang) x Brabham

" " " "

" " " "

No.	Crop	Date	Plant or Seed
G.H. 2628	Compea	1918	Seed
G.H. 2629	"	"	"
G.H. 2630	"	"	"
G.H. 2631	"	"	"
G.H. 2632	"	"	"
G.H. 2633	"	"	"
2634	"	"	"
2635	"	"	"
2636	"	"	"
2637	"	"	"
G.H. 2638	"	"	"
G.H. 2639	"	"	"
G.H. 2640	"	"	"
G.H. 2641	"	"	"
2642	"	"	"
2643	"	"	"
G.H. 2644	"	"	"
2645	"	"	"
G.H. 2646	"	"	"
G.H. 2647	"	"	"

Source

22888 (Catyang) x Brabham

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228^F88 (Catyang) x Brabham^(M)

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228^F88 (Catyang) x 02458^(M) (Large Bl. eye)

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29024^(F) (Conch) x 02465^(M) (40-day Bl. eye)

" " " "

29024^(F) (Conch) x 02397 (Early Ramshorn Bl. eye)

29024^(F) (Conch) x 02397^(M) (Early Ramshorn Bl. eye)

No.	Crop	Date	Plant or Seed
2648 G.H.	Compea	1918	Seed
2649	"	1918	"
2650 G.H.	"	"	"
2651	"	"	"
2652 G.H.	"	"	"
2653 G.H.	"	"	"
2654	"	"	"
2655 G.H.	"	"	"
2656 G.H.	"	"	"
2657	"	"	"
2658	"	"	"
2659	"	"	"
2660 G.H.	"	"	"
2661 G.H.	"	"	"
2662 G.H.	"	"	"
2663 G.H.	"	"	"
2664	"	"	"
2665	"	"	"
2666	"	"	"
2667	"	"	"

Source

(F) (M)
 29024 (Conch) x 02397 (Early Namahon Bl. eye)
 29024 (Conch) x 02026 (Yardlong)

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 02026 (Yardlong) x Brabham

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No.	Crop	Date	Plant or Seed
2668	Cowpea	1918	Seed
2669	"	"	"
2670	"	"	"
2671	"	"	"
2672	"	"	"
2673	"	"	"
G.H.			
2674	"	"	"
G.H.			
2675	"	"	"
G.H.			
2676	"	"	"
G.H.			
2677	"	"	"
2678	"	"	"
2679	"	"	"
G.H.			
2680	"	"	"
G.H.			
2681	"	"	"
G.H.			
2682	"	"	"
2683	"	"	"
2684	"	"	"
G.H.			
2685	"	"	"
G.H.			
2686	"	"	"
G.H.			
2687	"	"	"

No.	Crop	Date	Plant or Seed
G.H. 2688	Cowpea	1918	Seed
G.H. 2689	"	"	"
G.H. 2690	"	"	"
2691	"	"	"
2692	"	"	"
2693	"	"	"
2694	"	"	"
2695	"	"	"
2696	"	"	"
2697	"	"	"
G.H. 2698	"	"	"
G.H. 2699	"	"	"
2700	"	"	"
G.H. 2701	"	"	"
G.H. 2702	"	"	"
2703	"	"	"
2704	"	"	"
2705	"	"	"
2706	"	"	"
7 2707	"	"	"

Source

(F)

(M)

02026 (Yardlong) x Brabham

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02393 (Brown Crowder) x 02026 (Yardlong)

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No.	Crop	Date	Plant or Seed
⁽⁸¹⁾ 2708	Compea	1918	Seed
⁽⁸¹⁾ 2709	"	"	"
⁽¹⁰¹⁾ 2710	"	"	"
⁽¹¹¹⁾ 2711	"	"	"
⁽¹²¹⁾ 2712	"	"	"
G.H. ⁽¹¹⁾ 2713	"	"	"
G.H. ⁽²¹⁾ 2714	"	"	"
⁽³¹⁾ 2715	"	"	"
⁽⁴¹⁾ 2716	"	"	"
⁽⁵¹⁾ 2717	"	"	"
⁽⁶¹⁾ 2718	"	"	"
⁽⁷¹⁾ 2719	"	"	"
G.H. ⁽¹⁾ 2720	"	"	"
⁽²⁾ 2721	"	"	"
G.H. ⁽¹⁾ 2722	"	"	"
G.H. ⁽¹²⁾ 2723	"	"	"
⁽⁹⁾ 2724	"	"	"
⁽⁴¹⁾ 2725	"	"	"
⁽⁵¹⁾ 2726	"	"	"
⁽⁶⁾ 2727	"	"	"

Source

02393 (Brown Crowder) X02026 (Yardlong)

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No.	Crop	Date	Plant or Seed
(7) 2728	Compea	1918	Seed
(8) 2729	"	"	"
(9) 2730	"	"	"
G.H. (1) 2731	"	"	"
G.H. (2) 2732	"	"	"
(3) 2733	"	"	"
(4) 2734	"	"	"
(5) 2735	"	"	"
G.H. (11) 2736	"	"	"
G.H. (12) 2737	"	"	"
G.H. (13) 2738	"	"	"
G.H. (14) 2739	"	"	"
(15) 2740	"	"	"
(16) 2741	"	"	"
(17) 2742	"	"	"
(18) 2743	"	"	"
(19) 2744	"	"	"
(110) 2745	"	"	"
(111) 2746	"	"	"
(12) 2747	"	"	"

No.	Crop	Date	Plant or Seed
2748	Cowpea	1918	Seed
2749	"	"	"
2750	"	"	"
2751	"	"	"
2752	Soybean	"	"
2753	"	"	"
2754	Cowpea	1919	"
2755	"	"	"
2756	"	"	"
2757	"	"	One "
2758	"	"	" "
2759	"	"	" "
2760	"	"	" "
2761	"	"	" "
2762	"	"	" "
2763	"	"	" "
2764	"	"	" "
2765	"	"	" "
2766	"	"	" "
2767	"	"	" "

Source

Early Ramshorn Bl. eye (02397)	for hybridizing work in G. H.
Ext. Early Bl. eye (02391)	for hybridizing work in G. H.
Early Buff (29282)	" " " " "
Erwit var.	" " " " "
Hahito	" " " " "
Easy Cook (34702)	" " " " "
37111 orig. seed (Kronney) sown in greenhouse	
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of 37104 " " " "	" " " "
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37109 " " " "	" " " "
37111 " " " "	" " " "
37104 " " " "	" " " "

No.	Crop	Date	Plant or Seed
2768	Cowpea	1919	1 Seed
2769	"	"	1 "
2770	"	"	1 "
2771	"	"	1 "
2772	"	"	1 "
2773	"	"	1 "
2774	"	"	1 "
2775	"	"	1 "
2776	"	"	1 "
2777	"	"	1 "
2778	"	"	1 "
2779	"	"	1 "
2780	"	"	1 "
2781	Soy bean	"	1 "
2782	"	"	1 "
2783	"	"	1 "
2784	"	"	1 "
2785	"	"	1 "
2786	"	"	1 "
2787	"	"	1 "

Source

22888 Buff Catang for hybridizing

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02589 (Cream) for Hybridizing in G.H.

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02403 (Cal. bl. eye) " "

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34702 " "

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36653 " "

No.	Crop	Date	Plant or Seed
2788	Soybean	1919	1 Seed
2789	"	"	"
2790	"	"	"
2791	"	"	"
2792	"	"	"
2793	"	"	"
2794	"	"	"
2795	"	"	"
2796	"	"	"
2797	"	"	"
2798	Compea	"	"
2799	"	"	"
2800	"	"	"
3201	Soybean	1909	Plants
3202	"	"	"
3203	"	"	"
3204	"	"	"
3205	"	"	"
3206	"	"	"
3207	"	"	"

Source

36653 for Hybridizing work in G.H.

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34702 " " "

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Groit " " "

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" " " "

O. y. ^{brown} seeded from 22507.

Gr. " " 17271 L-1

O. y. " " 19186

S. y. " " S. O. I. 1851

Bl. " " 17852 - N.

Bl. & O. " " "

Bl. & O. " " 22927

No.	Crop	Date	Plant or Seed
3208	Soybeans	1909	Plant
3209	"	1909	"
3210	"	"	"
3211	"	"	"
3212	"	"	"
3213	"	"	"
3214	"	"	"
3215	"	"	"
3216	"	"	"
3217	"	"	"
3218	"	"	"
3219	"	"	"
3220	"	"	"
3221	"	"	"
3222	"	"	"
3223	"	"	"
3224	"	"	"
3225	"	"	"
3226	"	"	"
3227	"	"	"

Color	Source		
Bl. & O.	seeded	from	22927
O. Y.	"	"	19183-A
O.	"	"	17260-C
O. Y.	"	"	701-1837
Y. Br.	"	"	22534
Br.	"	"	22504
"	"	"	25653
O. Y.	"	"	17253-C
O. Y. & B.	"	"	701-1873
Bl.	"	"	17253-C
Br.	"	"	17253-C
O. Y.	"	"	18258-K
Gr.	"	"	22900
Bl. & O.	"	"	0820
Br. & S. Y.	"	"	25653
O.	"	"	23232
Bl. & O.	"	"	23299
O. Y.	"	"	22504
O. Y. & Br.	"	"	17253-C
Bl. & O.	"	"	17852-L-4.

No.	Crop	Date	Plant or Seed
3228	Soybeans	1909	Plant
3229	"	"	"
3230	"	"	"
3231	"	"	"
3232	"	"	"
3233	"	"	"
3234	"	"	"
3235	"	"	"
3236	"	"	"
3237	"	"	"
3238	"	"	"
3239	"	"	"
3240	"	"	"
3241	"	"	"
3242	"	"	"
3243	"	"	"
3244	"	"	"
3245	"	"	"
3246	"	"	"
3247	"	"	"

Source

Light Gr.	Seeded from	21079-K
Gr. & Bl.	" "	"
Light gr.	" "	"
" "	" "	"
" gr. & bl.	" "	"
O. o. Bl.	" "	"
O. & Bl.	" "	"
Light gr.	" "	"
O. y.	" "	17862
S. y.	" "	"
Olive	" "	19984-A
O. y.	" "	22645
S. y.	" "	17852-L
S. y.	" "	"
O. y.	" "	22921-A
O. y. & br.	" "	17852-L
O. y.	" "	19984-C
Bl. & Br.	" "	17261-A
S. y. & B.	" "	23296
Br.	" "	17257-B

No.	Crop	Date	Seed or Plant
3248	Soybeans	1909	Plant
3249	"	1909	"
3250	"	1909	"
3251	"	1909	"
3252	"	"	"
3253	"	"	"
3254	"	"	"
3255	"	"	"
3256	"	"	"
3257	"	"	"
3258	"	"	"
3259	"	"	"
3260	"	"	"
3261	"	"	"
3262	"	"	"
3263	"	"	"
3264	"	"	"
3265	"	"	"
3266	"	"	"
3267	"	"	"

Color	Source
O. & bl.	Seeded from 21079-K
S. y.	" " 18258
O. y.	" " 17237-L
O. y.	" " F.C.I. 1855
S. y.	" " 17277-E
Bl.	" " 17832-G
S. y.	" " 18258
Br.	" " F.C.I. 1880
Br.	" " 17261-A
Bl. & S. y.	" " 23296
Bl.	" " 21999
Bl.	" " 17832-G
S. y.	" " 22922-A
Bl.	" " 23311-B
S. y.	" " 22921-B
O. y.	" " 19981
O. y.	" " 23303-A
O. y.	" " 23303-A
Br.	" " 22333
O. y.	" " 19184-C

No.	Crop	Date	Seed or Plant
3268	Soybeans	1909	Plant
3269	"	"	"
3270	"	"	"
3271	"	"	"
3272	"	"	"
3273	"	"	"
3274	"	"	"
3275	"	"	"
3276	"	"	"
3277	"	"	"
3278	"	"	"
3279	"	"	"
3280	"	"	"
3281	"	"	"
3282	"	"	"
3283	"	"	"
3284	"	"	"
3285	"	"	"
3286	"	"	"
3287	"	"	"

Color

Source

Br.	Seeded from	23297-A
O.Y. & B.	" "	17262-A
S.Y.	" "	18258-C
Br.	" "	23297-A
O.Y.	" "	19984-A
S.Y.	" "	22922-A
O.Y.	" "	19984-A
O.Y.	" "	23303-A
Bl.	" "	17852, C
O.Y.	" "	17275-B
S.Y.	" "	F.C.I. 3278
O.Y.	" "	22381
O.Y.	" "	22537
O.Y.	" "	17271
O.Y.	" "	17263-A
O.Y.	" "	25438-A
Br.	" "	F.C.I. 1893
S.Y.	" "	23303-A
O.Y.	" "	22505
Br.	" "	21999-B

No.	Crop	Date	Seed or Plant
3288	Soy beans	1909	Plant
3289	"	1909	"
3290	"	1909	"
3291	"	"	"
3292	"	"	"
3293	"	"	"
3294	"	"	"
3295	"	"	"
3296	"	"	"
3297	"	"	"
3298	"	"	"
3299	"	"	"
3300	"	"	"
3301	"	"	"
3302	"	"	"
3303	"	"	"
3304	"	"	"
3305	"	"	"
3306	"	"	"
3307	"	"	"

Color

Source

Br. & Bl. Seeded from 21999-B

S. Y. " " 19984

Bl. & Br. " " 18258-C

Bl. " " 22919

Br. " " 23229

Br. " " 17257-A

O. Y. " " 21999-K

O. Y. " " 17264

O. Y. & Br. " " 18258-E

~ ~ " " 22920

Br. " " 18258-A

Br. " " 18258-A

O. Y. " " 14953

O. Y. " " 21999-G

Bl. " " 17852-N

Bl. " " 17852-N

Bl. & gr. " " 17852-N

Bl. " " 17852-N

Bl. " " 17852-N

~ ~ ~ ~ ~

No.	Crop	Date	Seed or Plant
3308	Soybean	1909	plant
3309	"	1909	"
3310	"	1909	"
3311	"	1909	"
3312	"	"	"
3313	"	"	"
3314	"	"	"
3315	"	"	"
3316	"	"	"
3317	"	"	"
3318	"	"	"
3319	"	"	"
3320	"	"	"
3321	"	"	"
3322	"	"	"
3323	"	"	"
3324	"	"	"
3325	"	"	"
3326	"	"	"
3327	"	"	"

Color	Source		
Bl.	Seeded from 17852-N		
Bl.	"	"	17852-N
Bl.	"	"	17852-N
br. & Bl.	"	"	17852-N
gr. & Bl.	"	"	17852-N
Bl.	"	"	" "
Bl.	"	"	" "
S.y.	"	"	19984
—	"	"	23229
Bl. & Br.	"	"	17852-L
Bl. & Br.	"	"	17852-L
Br.	"	"	17852-L
O.y.	"	"	17852-L
Br.	"	"	17852-L
Gr.	"	"	17852-L
S.y.	"	"	17852-L
Bl. & Br.	"	"	" "
Bl. & Br.	"	"	" "
O.y. & Br.	"	"	" "
Gr.	"	"	" "
O.y.	"	"	" "

No.	Crop	Date	Seed or Plant
3328	Soy beans	1909	Plant
3329	"	"	"
3330	"	"	"
3331	"	"	"
3332	"	"	"
3333	"	"	"
3334	"	"	"
3335	"	"	"
3336	"	"	"
3337	"	"	"
3338	"	"	"
3339	"	"	"
3340	"	"	"
3341	"	"	"
3342	"	"	"
3343	"	"	"
3344	"	"	"
3345	"	"	"
3346	"	"	"
3347	"	"	"

Color	Source	
Bl. + Br.	Seeded from	17852-L
O. y. ^{cloudy}	"	"
Gr.	"	"
S. y.	"	"
Gr.	"	17275-B
	"	F.C. 1850
Bl. + Br.	"	17852-L
O. y.	"	"
S. y.	"	"
O. y.	"	"
O.	"	"
O. y.	"	"
Bl. + Br.	"	"
S. y.	"	"
Gr.	"	"
S. y.	"	"
S. y.	"	"
S. y.	"	21999-Q
Gr.	"	24654
Bl.	"	25212-A

No.	Crop	Date	Seed or Plant
3348	Soybean	1909	Plant
3349	"	"	"
3350	"	"	"
3351	"	"	"
3352	"	"	"
3353	"	"	"
3354	"	"	"
3355	"	"	"
3356	"	"	"
3357	"	"	"
3358	"	"	"
3359	"	"	"
3360	"	"	"
3361	"	"	"
3362	"	"	"
3363	"	"	"
3364	"	"	"
3365	"	"	"
3366	"	"	"
3367	"	"	"

Color Source

O. Y.	Seeded from	23303-A
S. Y.	"	22,505
S. Y. & Br.	"	"
O. Y.	"	17269-E
S. Y.	"	20405 E
O. Y.	"	22537
O. Y.	"	17267
Gr.	"	25654
S. Y.	"	17862-F
Gr.	"	17852-L
S. Y.	"	17852-L
O. Y.	"	17852-L
Gr.	"	25438-A
S. Y.	"	22534
O. Y.	"	16790-D
Bl.	"	17253-B
Gr. & Bl.	"	0867
Br. & Y.	"	23296
S. Y. & Br.	"	"
S. Y. & Br.	"	"

No.	Crop	Date	Seed or Plant
3368	Soybean	1909	Plant
3369	"	"	"
3370	"	"	"
3371	"	"	"
3372	"	"	"
3373	"	"	"
3374	"	"	"
3375	"	"	"
3376	"	"	"
3377	"	"	"
3378	"	"	"
3379	"	"	"
3380	"	"	"
3381	"	"	"
3382	"	"	"
3383	"	"	"
3384	"	"	"
3385	"	"	"
3386	"	"	"
3387	"	"	"

Color	Source		
S.Y. + Br.	Seeded from	23296	
S.Y. + Br.	"	"	"
S.Y. + Br.	"	"	"
S.Y. + Br.	"	"	"
Bl, Br + S.Y.	"	"	"
S.Y. + Bl.	"	"	19982-A
O.Y. + Bl.	"	"	" "
O.Y. + Bl.	"	"	" "
O.Y. + Br.	"	"	19985
O.Y. + Br.	"	"	19985-M
S.Y. + Br.	"	"	17258-K
S.Y. + Br.	"	"	17258
Bl. + Br.	"	"	17253-C
O.Y. + Br.	"	"	17253-C
S.Y. + Bl.	"	"	17275-K
O.Y. + Bl.	"	"	17275-M
O.Y. + Bl.	"	"	17275-M
S.Y. + Br.	"	"	22379
S.Y. + Br.	"	"	22379-2
S.Y. + Br.	"	"	22379-2

No.	Crop	Date	Seed or Plant
3388	Soybeans	1909	Plant
3389	"	"	"
3390	"	"	"
3391	"	"	"
3392	"	"	"
3393	"	"	"
3394	"	"	"
3395	"	"	"
3396	"	"	"
3397	"	"	"
3398	"	"	"
3399	"	"	"
3400	"	"	"
3401	"	"	"
3402	"	"	"
3403	"	"	"
3404	"	"	"
3405	"	"	"
3406	"	"	"
3407	"	"	"

Color	Source	
O.Y. + Br.	Seeded from	18258-K
O.Y. + Br.	" "	25437
S.Y. + Gr.	" "	19184-A
O.Y.	" "	19186
S.Y. + Br.	" "	22335-2
S.Y. + Bl.	" "	17253-B
O.Y. + Br.	" "	21079-E
Y. Bl. + Br.	" "	21079-M
O.Y. + Br.	" "	21080-M
O.Y. + Br.	" "	22381
S.Y., Bl. + Br.	" "	22898-A
S.Y. + Bl.	" "	18258
S.Y. + Bl.	" "	18258
O. + Bl.	" "	18258-C
Y. + Bl.	" "	" "
O. + Bl.	" "	" "
O.Y.	" "	" "
Y. + Bl.	" "	" "
Y. + Br.	" "	" "
Y. + Br.	" "	" "

No.	Crop	Date	Seed or Plant
3408	Soybean	1909	Plant
3409	"	1909	"
3410	"	1909	"
3411	"	1909	"
3412	"	"	"
3413	"	"	"
3414	"	"	"
3415	"	"	"
3416	"	"	"
3417	"	"	"
3418	"	"	"
3419	"	"	"
3420	"	"	"
3421	"	"	"
3422	"	"	"
3423	"	"	"
3424	"	"	"
3425	"	"	"
3426	"	"	"
3427	"	"	"

Color	Source		
Y. & Br.	Seeded from	18258-C	
Y. & Br.	" "	17258-K	
O. & Bl.	" "	19183-K	
O.	" "	19183-K	
O. & Bl.	" "	19183-K	
O. & Bl.	" "	19183-K	
Y. & Br.	" "	17253-C	
O. Y.	" "	17260-C	
O. Y.	" "	19183-K	
O. Y.	" "	20405-D	
O. & Bl.	" "	17852-L	
Bl. & Br.	" "	" "	
Bl. & Br.	" "	" "	
Bl. & Br.	" "	" "	
Buff	" "	" "	
Bl.	" "	17852-L-8	
Bl. & Br.	" "	17852-L	
S. Y.	" "	17852-L	
O. & Br.	" "	17852-L	
Br.	" "	17852-L	

No	Crop	Date	Seed or Plant
3428	Soybean	1909	Plant
3429	"	"	"
3430	"	"	"
3431	"	"	"
3432	"	"	"
3433	"	"	"
3434	"	"	"
3435	"	"	"
3436	"	"	"
3437	"	"	"
3438	"	"	"
3439	"	"	"
3440	"	"	"
3441	"	"	"
3442	"	"	"
3443	"	"	"
3444	"	"	"
3445	"	"	"
3446	"	"	"
3447	"	"	"

Color	Source			
O.Y.	Seeded from 19982-A			
Bl.	"	"	"	"
O.Y.	"	"	17260 C	
O.Y.	"	"	17260 C	
Br.	"	"	"	"
Bl.	"	"	"	"
Red Br.	"	"	16790-L	
" "	"	"	"	"
" "	"	"	"	"
" "	"	"	"	"
O.Y.	"	"	19982-A	
Bl.	"	"	17255-A	
Bl.	"	"	17255-A	
O.	"	"	17260-C	
S.Y.	"	"	19258-K	
Bl.	"	"	18258-D	
Bl.	"	"	18258-K	
Bl.	"	"	18258-K	
Cr.	"	"	18258-D	
Cr.	"	"	18258-D	

No.	Crop	Date	Seed or Plant
3448	Soy bean	1909	Plant
3449	"	"	"
3450	"	"	"
3451	"	"	"
3452	"	"	"
3453	"	"	"
3454	"	"	"
3455	"	"	"
3456	"	"	"
3457	"	"	"
3458	"	"	"
3459	"	"	"
3460	"	"	"
3461	"	"	"
3462	"	"	"
3463	"	"	"
3464	"	"	"
3465	"	"	"
3466	"	"	"
3467	"	"	"

Color

Source

S.Y.	Seeded from	0851
Red Br.	"	21999-B
" "	"	" "
O.Y.	"	19186
O.Y.	"	17262-A
O.Y.	"	19183-K
O.	"	" "
O. & Br.	"	17271-B
O.Y.	"	19183-K
Buff	"	17277-C-1
O.Y.	"	17253-C
S.Y.	"	21999-D.
Buff	"	17254-B-1
Bl.	"	17257-A-6
Y. & Br.	"	22381-5
S.Y.	"	22406-3
S.Y.	"	17268-A
O.Y.	"	17852-P.
Gr.	"	21080-L
O.Y.	"	17852-P.

No.	Crop	Date	Seed or Plant
3468	Soy bean	1909	Plant
3469	"	"	"
3470	"	"	"
3471	"	"	"
3472	"	"	"
3473	"	"	"
3474	"	"	"
3475	"	"	"
3476	"	"	"
3477	"	"	"
3478	"	"	"
3479	"	"	"
3480	"	"	"
3481	"	"	"
3482	"	"	"
3483	"	"	"
3484	"	"	"
3485	"	"	"
3486	"	"	"
3487	"	"	"

Color

Source

O.Y.	Seeded from	17253-C
S.Y.	" "	21080-A
Br	" "	17253-C-4
S.Y.	" "	22922
Br	" "	17271-B
O.Y.	" "	17254-C
O.Y.	" "	21079
O.Y.	" "	17262-A(2)
O.Y.	" "	17262-K
O.Y.	" "	" "
Bl.	" "	" "
S.Y.	" "	23296
Bl.	" "	22411-A-2
Y + Br	" "	19184-
S.Y.	" "	22379-2
O.Y.	" "	22407
S.Y.	" "	23296
S.Y.	" "	19981
S.Y.	" "	23296
Bl. & O.	" "	25188

No	Crop	Date	Seed or Plant
3488	Soy beans	1909	plant
3489	"	"	"
3490	"	"	"
3491	"	"	"
3492	"	"	"
3493	"	"	"
3494	"	"	"
3495	"	"	"
3496	"	"	"
3497	"	"	"
3498	"	"	"
3499	"	"	"
3500	"	"	"
3501	"	"	"
3502	"	"	"
3503	"	"	"
3504	"	"	"
3505	"	"	"
3506	"	"	"
3507	"	"	"

Color	Source	
O. Y.	Seeded from	17262-K
O. Y.	" "	17275-B
O. to Br.	" "	22504-B
S. Y.	" "	23296
Bl.	" "	23296-C
Bl.	" "	20797
O. Y.	" "	22381
O. Y.	" "	19184-K
Buff	" "	17852-L-4
Og Y.	" "	22411-A-4
O. Y.	" "	22407
O. Y.	" "	17852-L
Buff	" "	17257-A.2
Br. & Bl.	" "	17852-L
Br. & Bl.	" "	" "
Red Br.	" "	17275-A-7
Bl.	" "	18258-K
S. Y.	" "	23296
Bl. & Br.	" "	" "
Y. & Br.	" "	" "

No.	Crop	Date	Seed or Plant
3508	Soybean	1909	Plant
3509	"	"	"
3510	"	"	"
3511	"	"	"
3512	"	"	"
3513	"	"	"
3514	"	"	"
3515	"	"	"
3516	"	"	"
3517	"	"	"
3518	"	"	"
3519	"	"	"
3520	"	"	"
3521	"	"	"
3522	"	"	"
3523	"	"	"
3524	"	"	"
3525	"	"	"
3526	"	"	"
3527	"	"	"

Color	Source	
Y.	Seeded from	17852-F.
Y. & Br.	" "	23296
S. Y.	" "	21080-A
S. Y.	" "	17852-L
S. Y.	" "	17253-C-1
O. Y.	" "	17852-L
Br.	" "	17257-A-2
Bl.	" "	17257-A-2
Y.	" "	17852-F.
Y. & Br.	" "	20405-D
O. & Bl.	" "	23338-B
Y. Bl. & Br.	" "	17253-B
Br.	" "	17253-C-2
S. Y.	" "	17277-B-5
Br.	" "	22921-C
Br.	" "	17257-A-2
O.	" "	17257-A-5
Bl.	" "	" "
Br.	" "	" "
Br.	" "	" "

No.	Crop	Date	Seed or Plant
3528	Soybean	1909	Plant
3529	"	"	"
3530	"	"	"
3531	"	"	"
3532	"	"	"
3533	"	"	"
3534	"	"	"
3535	"	"	"
3536	"	"	"
3537	"	"	"
3538	"	"	"
3539	"	"	"
3540	"	"	"
3541	"	"	"
3542	"	"	"
3543	"	"	"
3544	"	"	"
3545	"	"	"
3546	"	"	"
3547	"	"	"

Color	Source			
Br.	Seeded from 17257-A-5			
Bl. + Br.	"	"	"	"
O. Y.	"	"	"	"
Bl.	"	"	19184-K	
Br.	"	"	"	"
Bl.	"	"	"	"
O. Y.	"	"	"	"
O. Y.	"	"	"	"
Br.	"	"	"	"
Buff	"	"	19184-C	
Buff	"	"	"	"
Br.	"	"	"	"
Buff	"	"	"	"
Y + Bl.	"	"	"	"
O. Y.	"	"	"	"
S. Y.	"	"	"	"
O. Y.	"	"	"	"
O. Y.	"	"	"	"
O. Y.	"	"	"	"
O. Y.	"	"	"	"

No.	Crop	Date	Plant or Seed
3548	Soybean	1909	Plant
3549	"	"	"
3550	"	"	"
3551	"	"	"
3552	"	"	"
3553	"	"	"
3554	"	"	"
3555	"	"	"
3556	"	"	"
3557	"	"	"
3558	"	"	"
3559	"	"	"
3560	"	"	"
3561	"	"	"
3562	"	"	"
3563	"	"	"
3564	"	"	"
3565	"	"	"
3566	"	"	"
3567	"	"	"

Color Source

O. Y.	Seeded from 19184-C.			
O. Y.	"	"	"	"
O. Y.	"	"	"	"
Br.	"	"	"	"
S. Y.	"	"	"	"
Bl.	"	"	"	"
Bl.	"	"	"	"
O. Y.	"	"	"	"
Bl.	"	"	"	"
Bl.	"	"	"	"
Bl.	"	"	"	"
Bl.	"	"	"	"
Br. & Bl.	"	"	"	"
Bl.	"	"	17261-a	"
Br.	"	"	"	"
Br.	"	"	"	"
O. Y.	"	"	17852-M	"
Bl.	"	"	25657	"
Red Br.	"	"	16790-L	"
Bl.	"	"	18258-O	"

No.	Crop	Date	Seed or Plant
3568	Soybean	1909	Plant
3569	"	"	"
3570	"	"	"
3571	"	"	"
3572	"	"	"
3573	"	"	"
3574	"	"	"
3575	"	"	"
3576	"	"	"
3577	"	"	"
3578	"	"	"
3579	"	"	"
3580	"	"	"
3581	"	"	"
3582	"	"	"
3583	"	"	"
3584	"	"	"
3585	"	"	"
3586	"	"	"
3587	"	"	"

Color	Source
O. Y.	Seeded from 19183-K
Bl.	" " 19184
Bl.	" " 17253-B
S. Y.	" " 8422
S. Y.	" " 18258-S
Y. & Br.	" " 20504
S. Y.	" " 17257-A-5
Br.	" " 17257-A-5
O. Y.	" " 23296
Br. & Bl.	" " 12399
Duff	" " 17257-D
O. Y.	" " 18258-S
Y. & Bl.	" " 18258-S
Y. & Bl.	" " 18258
Y. & Br.	" " 18258-C
S. Y.	" " 18258-C
S. Y.	" " 17852-L
O. Y.	" " 17852-L
S. Y.	" " 17852-L
S. Y.	" " 17852-L

No.	Crop	Date	Seed or Plant
3588	Soybean	1909	Plant
3589	"	"	"
3590	"	"	"
3591	"	"	"
3592	"	"	"
3593	"	"	"
3594	"	"	"
3595	"	"	"
3596	"	"	"
3597	"	"	"
3598	"	"	"
3599	"	"	"
3600	"	"	"
3601	"	"	"
3602	"	"	"
3603	"	"	"
3604	"	"	"
3605	"	"	"
3606	"	"	"
3607	"	"	"

Color	Source		
Br. & Bl.	Seeded from	17852 - L	
O. Y.	"	"	17852 - L
O. Y.	"	"	17852 - L
Br.	"	"	17852 - L-1
Br. & Bl.	"	"	17852 - L-8
S. Y.	"	"	17852 - L
Br.	"	"	17852 - L-3
O.	"	"	19183 - K
Bl. & Br.	"	"	17852 - L-1
O. Y.	"	"	17852 - L-1
Br.	"	"	17852 - L
Gr.	"	"	18258 - K
S. Y.	"	"	18258 - K
O. & Bl.	"	"	18258 - O
Buff	"	"	17852 - L
S. Y.	"	"	23292 - D
Y. & Bl.	"	"	21999 - G.
Y. & Br.	"	"	21079 - E
Gr. & Bl.	"	"	23311
Gr. & Br.	"	"	22880 - B

No	Crop	Date	Seed or Plant
3608	Soy bean	1909	plant
3609	"	"	"
3610	"	"	"
3611	"	"	"
3612	"	"	"
3613	"	"	"
3614	"	"	"
3615	"	"	"
3616	"	"	"
3617	"	"	"
3618	"	"	"
3619	"	"	"
3620	"	"	"
3621	"	"	"
3622	"	"	"
3623	"	"	"
3624	"	"	"
3625	"	"	"
3626	"	"	"
3627	"	"	"

Color

Source

Br. & Bl.	Seeded from	18258-0
Bl.	"	18258-0
Red Br.	"	21999-B
O. Y.	"	25437
Bl. & Br.	"	17852-L
Bl.	"	17255-A
Bl. & Y.	"	17275-M
Bl. & Br.	"	23205
O. Y.	"	17852-L
Bl. & Y.	"	19982-A
Br.	"	18258-0
Bl. & Gr.	"	17261-A
Y. & Bl.	"	21999-C
O.	"	18258-0
Buff	"	16790-L
O. Y.	"	22504
S. Y.	"	22921-B
O. Y.	"	25437
Y & Bl.	"	18258-C
S. Y.	"	21755

No.	Crop	Date	Seed or Plant
3628	Soy bean	1909	plant
3629	"	"	"
3630	"	"	"
3631	"	"	"
3632	"	"	"
3633	"	"	"
3634	"	"	"
3635	"	"	"
3636	"	"	"
3637	"	"	"
3638	"	"	"
3639	"	"	"
3640	"	"	"
3641	"	"	"
3642	"	"	"
3643	"	"	"
3644	"	"	"
3645	"	"	"
3646	"	"	"
3647	"	"	"

Color	Source	
Gr. & Bl.	Seeded from	19183-K
O.	" "	19183-K
Bl.	" "	17253-C-7
O. Y.	" "	21079-E
Bl.	" "	18258-0
E.	" "	19183-K
Bl.	" "	17257-A-5
Br.	" "	17257-A-5
Br.	" "	16790-L
Red Br.	" "	16790-L
S. Y.	" "	17852-L
O. Y.	" "	19982-A
Y. & Br.	" "	17262-A
Bl.	" "	18259
O. & Bl.	" "	19183-K
S. Y.	" "	19982-A
Bl. & Br.	" "	17251-K
Y. & Br.	" "	19985-L
S. Y.	" "	23292-D
S. Y.	" "	23292-D

No.	Crop	Date	Seed or Plant
3648	Soybean	1909	Plant
3649	"	"	"
3650	"	"	"
3651	"	"	"
3652	"	"	"
3653	"	"	"
3654	"	"	"
3655	"	"	"
3656	"	"	"
3657	"	"	"
3658	"	"	"
3659	"	"	"
3660	"	"	"
3661	"	"	"
3662	"	"	"
3663	"	"	"
3664	"	"	"
3665	"	"	"
3666	"	"	"
3667	"	"	"

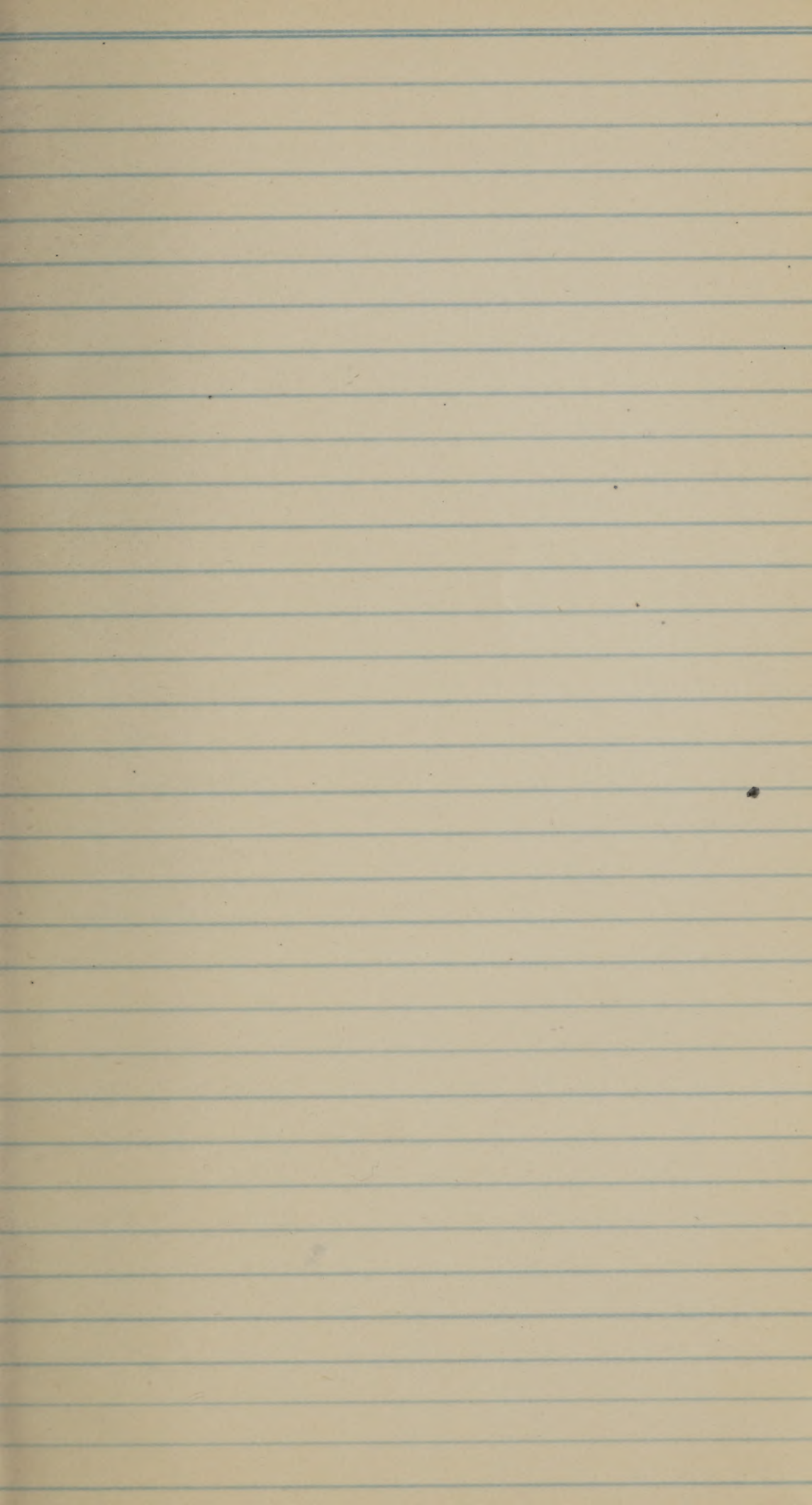
Color	Source		
O. & BL.	Seeded	from	21079-K
S. Y.	"	"	2329 (2)
O. Y.	"	"	17852-L
Red Br.	"	"	21999-B
Y. & Br.	"	"	18258
Y. & BL	"	"	19184-C
BL. & Br.	"	"	17251-K
BL.	"	"	18258-K
Y. & BL.	"	"	23296
Y. & Br.	"	"	19984
O. Y. & Br.	"	"	21079-K
BL.	"	"	22900-A
BL. to O.	"	"	23297-A
S. Y.	"	"	17257-A-7
O. Y. to Gr.	"	"	17260-C
Y. to Gr.	"	"	17260-C
Gr.	"	"	17260-C
O. Y.	"	"	17262-A
O. Y. & BL	"	"	17262-A
S. Y.	"	"	25437

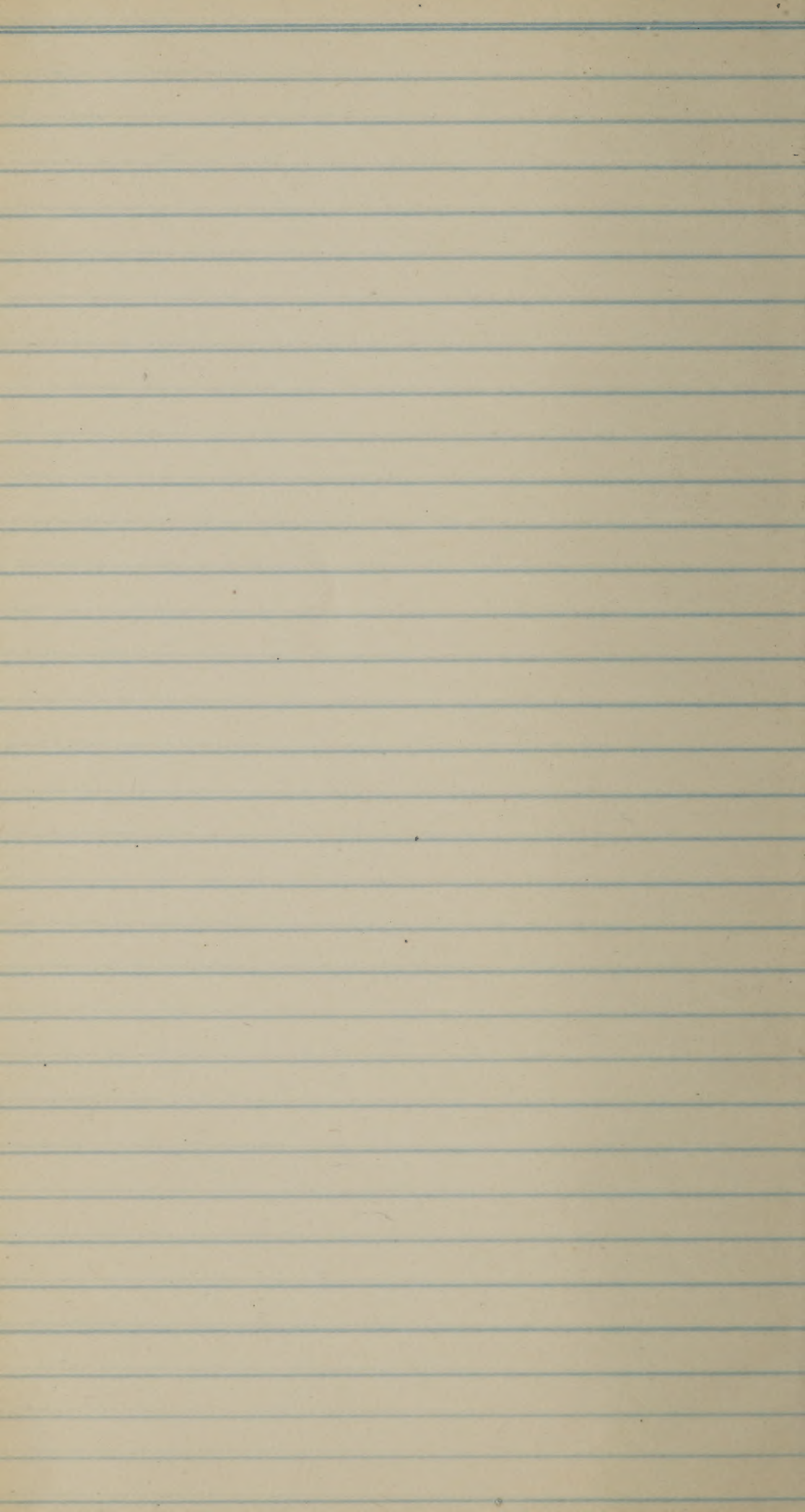
No.	Crop	Date	Plant or Seed
3668	Soybean	1909	Plant
3669	"	"	"
3670	"	"	"
3671	"	"	"
3672	"	"	"
3673	"	"	"
3674	"	"	"
3675	"	"	"
3676	"	"	"
3677	"	"	"
3678	"	"	"
3679	"	"	"
3680	"	"	"
3681	"	"	"
3682	"	"	"
3683	"	"	"
3684	"	"	"
3685	"	"	"
3686	"	"	"
3687	"	"	"

Color	Source	
O. Y.	Seeded from	22411-A-4
Bl.	" "	17257-A-9
Bl.	" "	17257-A-9
Br.	" "	17254 (08)
Br.	" "	17254 (08)
Br.	" "	17254 (08)
Br.	" "	17254 (08)
Bl.	" "	16770-C
Br.	" "	16790 (08)
Bl. + Br.	" "	16790 (08)
Bl.	" "	16790 (08)
Bl. + Br.	" "	16990-C (08)
Bl.	" "	16790-C (08)
Bl.	" "	17261 (08)
Bl.	" "	17261 (08)
O. Br.	" "	17261 (08)
Bl.	" "	17261 (08)
Bl.	" "	17261 (08)
O.	" "	17261 (08)
O.	" "	17261 (08)

No.	Crop	Date	Plant or Seed
3688	Soybean	1909	Plant
3689	"	"	"
3690	"	"	"
3691	"	"	"
3692	"	"	"
3693	"	"	"
3694	"	"	"
3695	"	"	"
3696	"	"	"
3697	"	"	"
3698	"	"	"
3699	"	"	"
3700	"	"	"
3701	"	"	"
3702	"	"	"
3703	"	"	"
3704	"	"	"
3705	"	"	"
3706	"	"	"
3707	"	"	"

Color	Source		
O.	Seeded from 17261 (08)		
O. Y.	"	"	19186 (08)
S. Y.	"	"	19186 (08)
O. Y.	"	"	19186 (08)
Gr.	"	"	22897 (08.)
S. Y. & Br.	"	"	22898 (08)
S. Y. & Br.	"	"	22880 (08)
S. Y. & Br.	"	"	22880 (08)
O. Y.	"	"	(18258-A 08) ²
O. Y.	"	"	17275-08
O. Y.	"	"	17852 (08)
S. Y.	"	"	17852 (08)
O. Y.	"	"	17852 (08)
S. Y.	"	"	17852 (08)
S. Y.	"	"	17852 (08)
S. Y.	"	"	17852 (08)
O. Y.	"	"	17852 (08)
O. Y.	"	"	17852 (08)
O. Y.	"	"	17852 (08)
S. Y.	"	"	17275-L





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